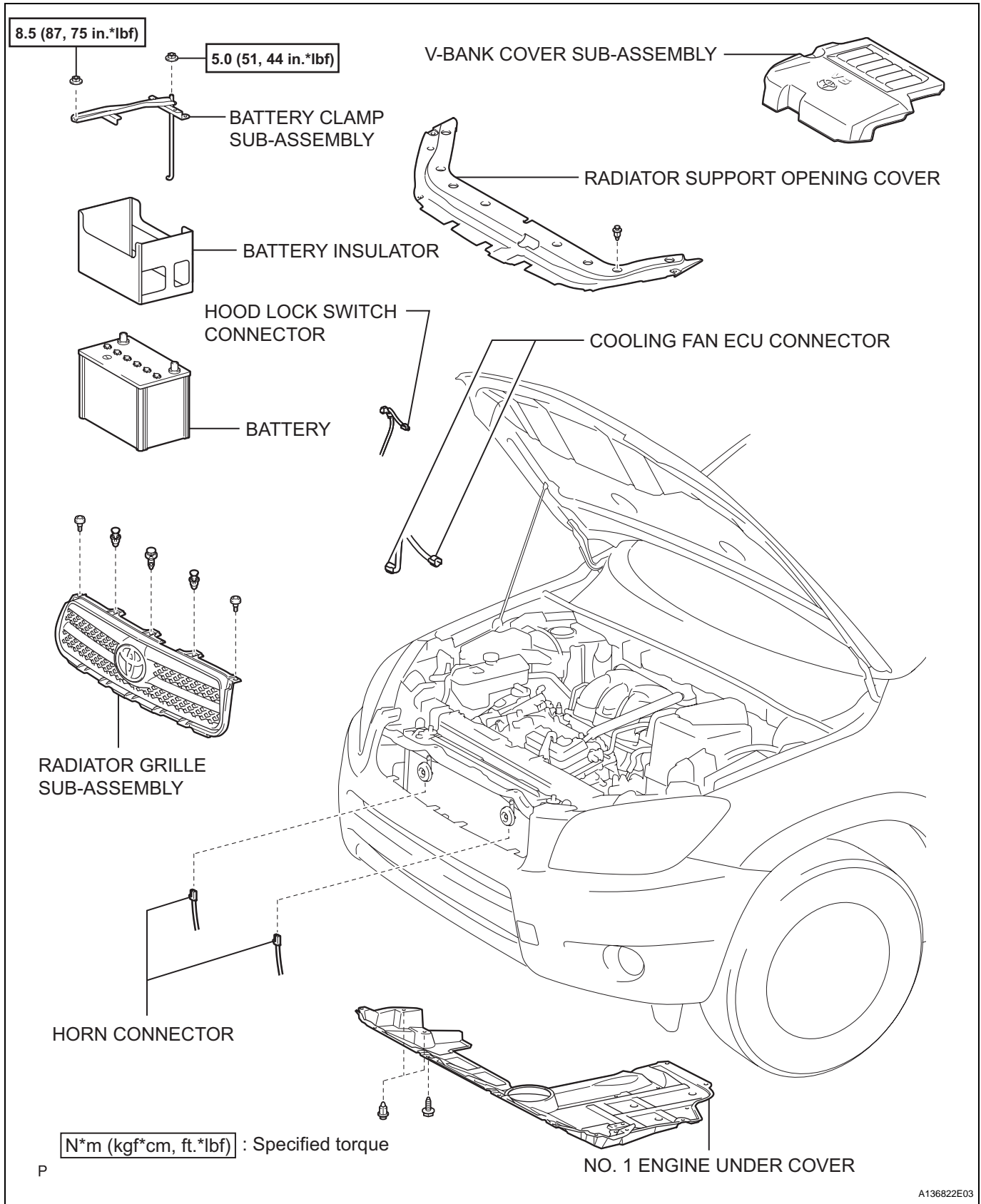
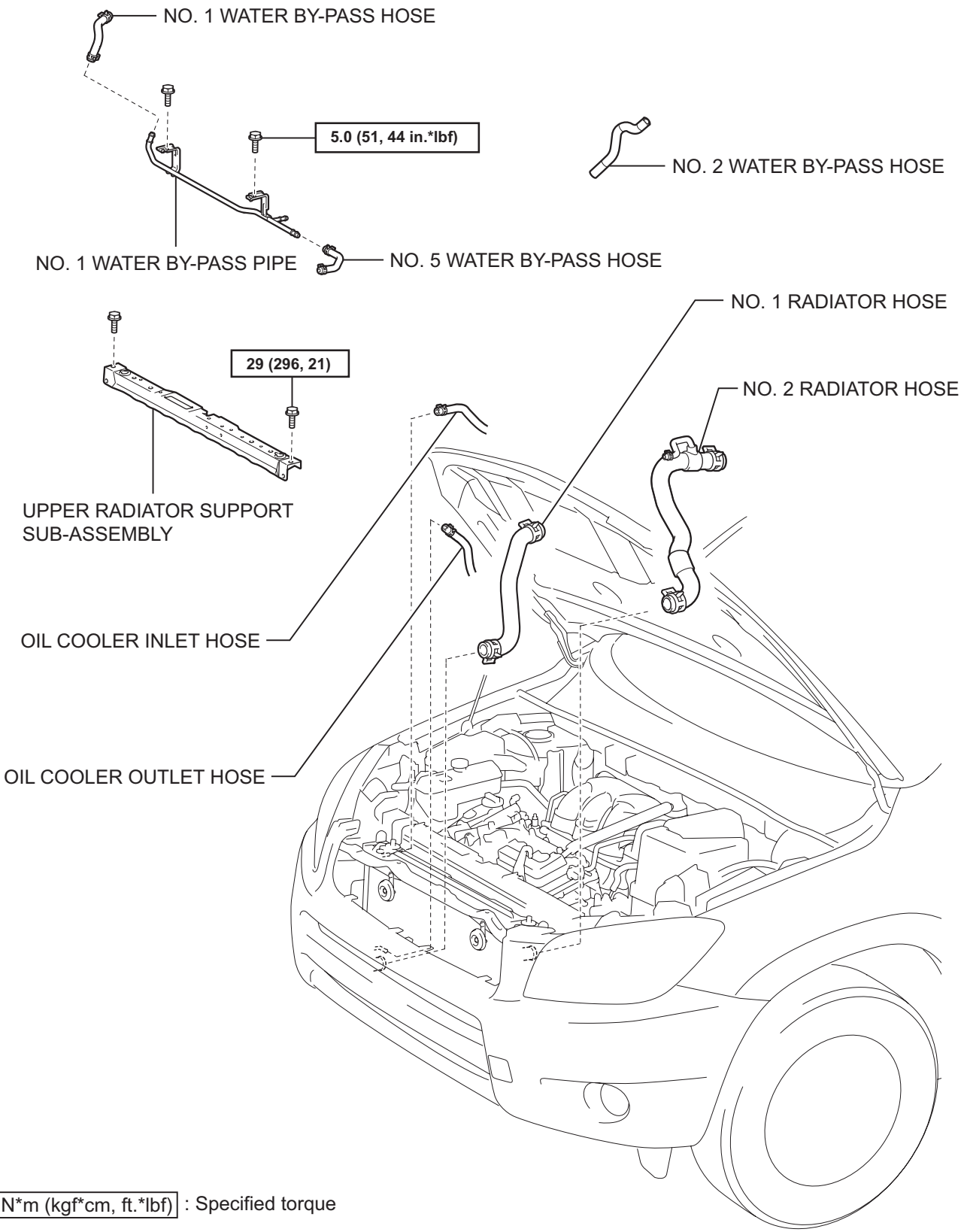


# COOLING FAN MOTOR

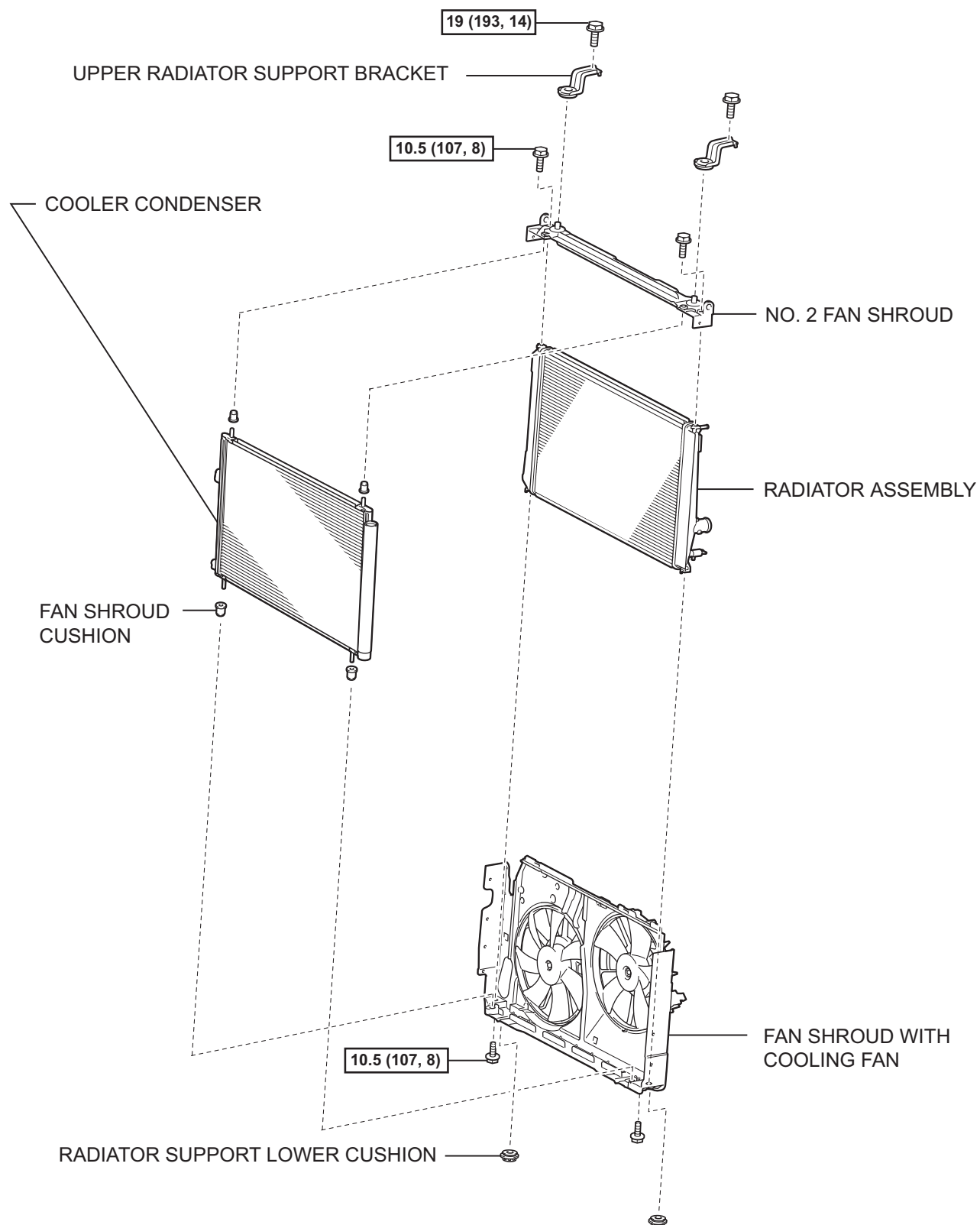
## COMPONENTS



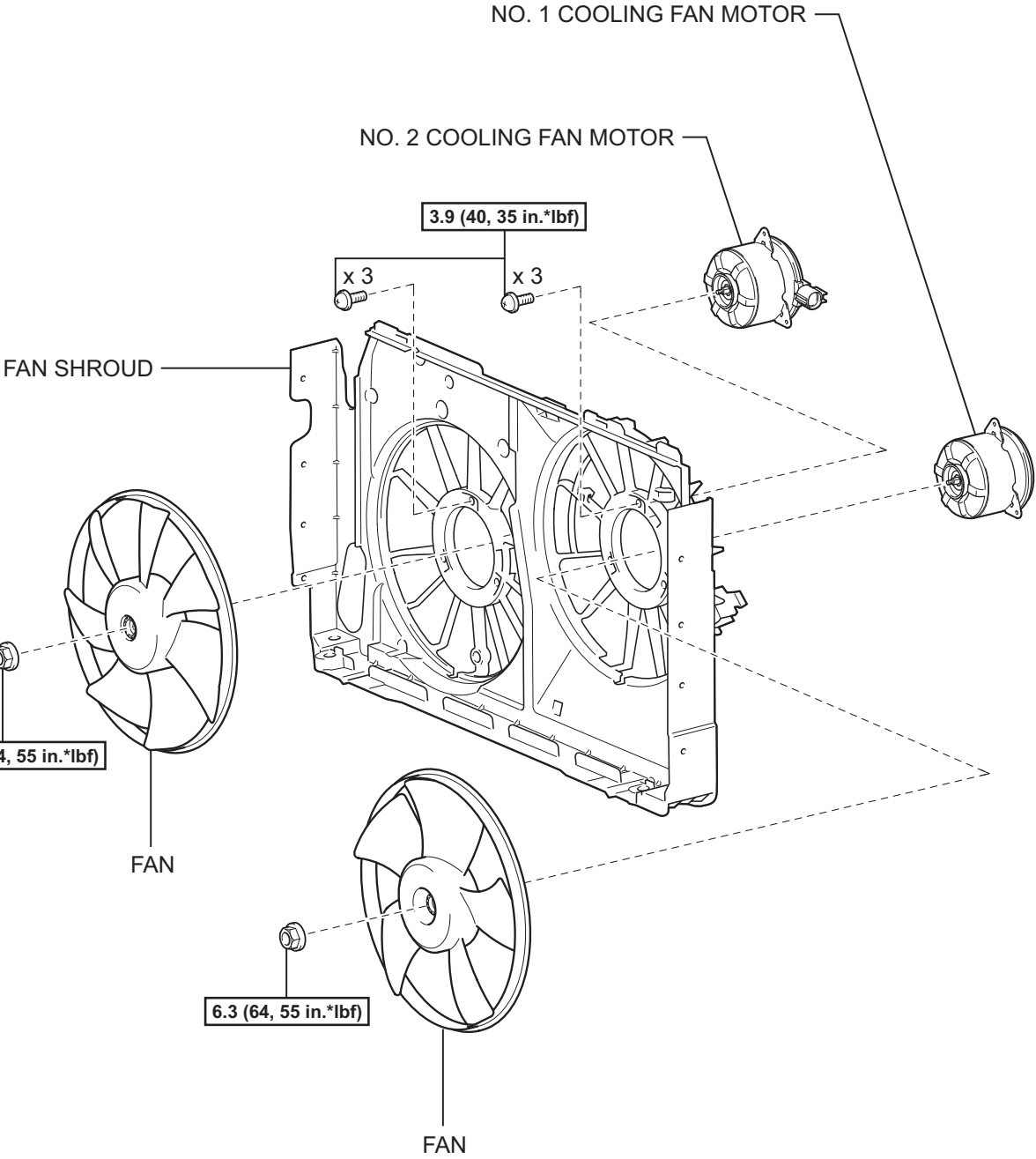
CO



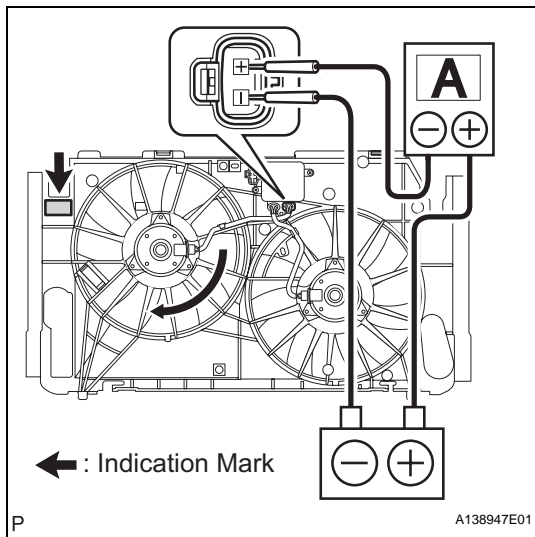
CO



$\text{N}\cdot\text{m}$  ( $\text{kgf}\cdot\text{cm}$ ,  $\text{ft.}\cdot\text{lbf}$ ) : Specified torque



N\*m (kgf\*cm, ft.\*lbf) : Specified torque



## ON-VEHICLE INSPECTION

### 1. INSPECT NO. 1 COOLING FAN MOTOR (w/o Trailer Towing System)

- Disconnect the No. 1 fan connector.
- Connect the battery and an ammeter to the No. 1 fan motor connector.
- Check that the No. 1 fan rotates smoothly, and then check the reading on the ammeter.

#### Standard amperage

Indication Mark	Motor Type	Condition	Specified Condition
E	160 W	at 20°C (68°F)	11.8 to 14.8 A

#### HINT:

Refer to the illustration for the indication mark location.

If the result is not as specified, replace the No. 1 cooling fan motor.

- Reconnect the No. 1 fan motor connector.

### 2. INSPECT NO. 1 COOLING FAN MOTOR (w/ Trailer Towing System)

- Disconnect the No. 1 fan connector.
- Connect the battery and an ammeter to the No. 1 fan motor connector.
- Check that the No. 1 fan rotates smoothly, and then check the reading on the ammeter.

#### Standard amperage

Indication Mark	Motor Type	Condition	Specified Condition
H	240 W	at 20°C (68°F)	18.0 to 22.0 A

#### HINT:

Refer to the illustration for the indication mark location.

If the result is not as specified, replace the No. 1 cooling fan motor.

- Reconnect the No. 1 fan motor connector.

### 3. INSPECT NO. 2 COOLING FAN MOTOR (w/o Trailer Towing System)

- Disconnect the No. 2 fan connector.
- Connect the battery and an ammeter to the No. 2 fan motor connector.
- Check that the No. 2 fan rotates smoothly, and then check the reading on the ammeter.

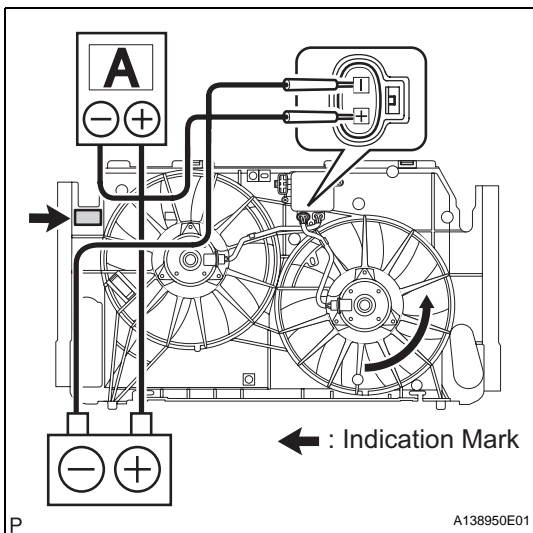
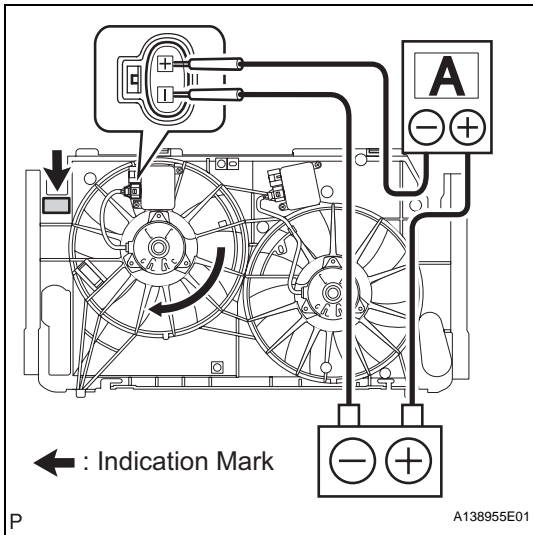
#### Standard amperage

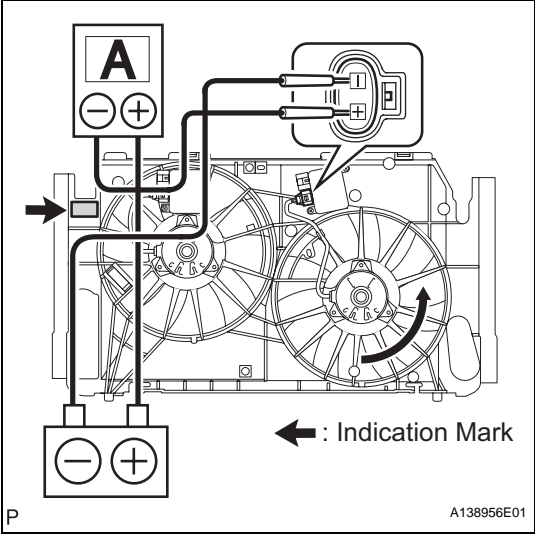
Indication Mark	Motor Type	Condition	Specified Condition
E	160 W	at 20°C (68°F)	11.8 to 14.8 A

#### HINT:

Refer to the illustration for the indication mark location.

If the result is not as specified, replace the No. 2 cooling fan motor.





(d) Reconnect the No. 2 fan motor connector.

4. **INSPECT NO. 2 COOLING FAN MOTOR (w/ Trailer Towing System)**

- (a) Disconnect the No. 2 fan connector.
- (b) Connect the battery and an ammeter to the No. 2 fan motor connector.
- (c) Check that the No. 2 fan rotates smoothly, and then check the reading on the ammeter.

**Standard amperage**

Indication Mark	Motor Type	Condition	Specified Condition
H	240 W	at 20°C (68°F)	18.0 to 22.0 A

**HINT:**

Refer to the illustration for the indication mark location.

If the result is not as specified, replace the No. 2 cooling fan motor.

- (d) Reconnect the No. 2 fan motor connector.

## REMOVAL

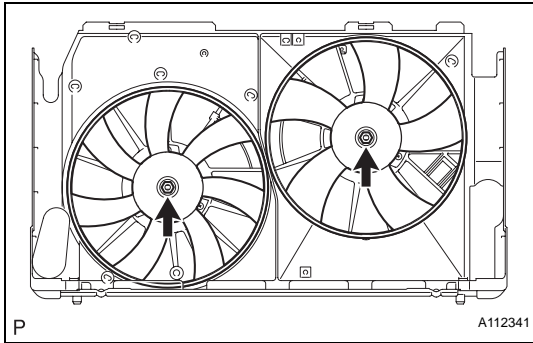
### 1. REMOVE RADIATOR ASSEMBLY

- (a) Remove the radiator (see page [CO-36](#)).

## DISASSEMBLY

### 1. REMOVE FAN

- (a) Remove the 2 nuts and 2 fans.

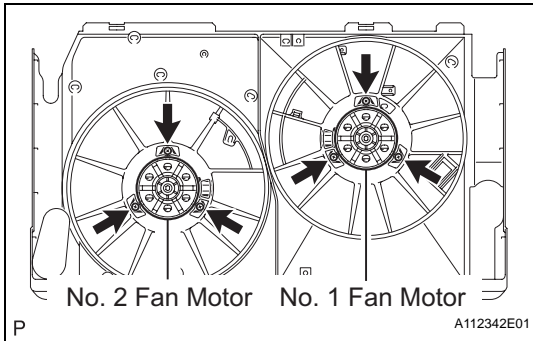


### 2. REMOVE NO. 1 COOLING FAN MOTOR

- (a) Remove the 3 screws and fan motor.

### 3. REMOVE NO. 2 COOLING FAN MOTOR

- (a) Remove the 3 screws and fan motor.



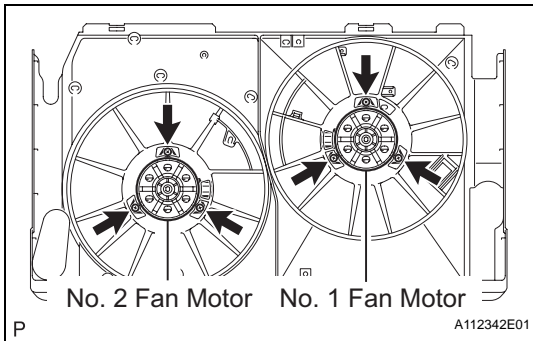
## REASSEMBLY

### 1. INSTALL NO. 2 COOLING FAN MOTOR

- (a) Install the fan motor with the 3 screws.  
Torque: 3.9 N\*m (40 kgf\*cm, 35 in.\*lbf)

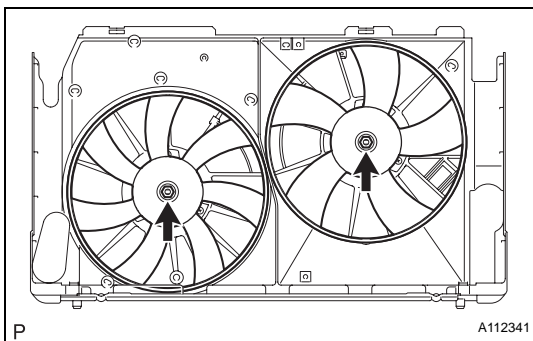
### 2. INSTALL NO. 1 COOLING FAN MOTOR

- (a) Install the fan motor with the 3 screws.  
Torque: 3.9 N\*m (40 kgf\*cm, 35 in.\*lbf)



### 3. INSTALL FAN

- (a) Install the 2 fans with the 2 nuts.  
Torque: 6.3 N\*m (64 kgf\*cm, 55 in.\*lbf)
- (b) Check the fan motor operation.



## INSTALLATION

### 1. INSTALL RADIATOR ASSEMBLY

- (a) Install the radiator (see page [CO-40](#)).